Claims

What is claimed is:

1. A method of managing workload of a computing environment, said method comprising:

managing workload across two or more partitions of a plurality of partitions of said computing environment;

said managing comprising dynamically adjusting allocation of a shareable resource of at least one partition of said two or more partitions, wherein workload goals of said two or more partitions are being balanced.

2. The method of claim 1, wherein said dynamically adjusting is performed transparently to work processing within said at one least one partition.

3. The method of claim 1, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

4. The method of claim 1, wherein said dynamically adjusting comprises moving at least a portion of said shareable resource from one partition to at least one other partition.

5. The method of claim 1, wherein said dynamically adjusting comprises managing said shareable resource among said two or more partitions based on priority.

6. The method of claim 1, wherein said dynamically adjusting comprises assigning said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

7. The method of claim 1, wherein said partitions are logical partitions.

8. The method of claim 1, wherein said dynamically adjusting comprises adjusting allocation of a plurality of shareable resources.

9. The method of claim 1, wherein said dynamically adjusting is controlled at least in part by at least one workload manager of said computing environment.

10. The method of claim 1, wherein said dynamically adjusting comprises increasing allocation of said shareable resource.

11. The method of claim 1, wherein said dynamically adjusting comprises decreasing allocation of said shareable resource.

12. The method of claim 1, wherein said dynamically adjusting is performed without a requirement for data sharing.

13. A method of managing workload of a computing environment, said method comprising:

managing workload across two or more partitions of a plurality of partitions of said computing environment, wherein said two or more partitions concurrently share at least one shareable resource;

said managing comprising dynamically adjusting allocation of said shareable resource of at least one partition of said two or more partitions.

14. The method of claim 13, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

15. The method of claim 13, wherein workload goals of said two or more partitions are being balanced.

16. The method of claim 13, wherein said dynamically adjusting comprises increasing allocation of said shareable resource.

17. The method of claim 13, wherein said dynamically adjusting comprises decreasing allocation of said shareable resource.

18. The method of claim 13, wherein said dynamically adjusting comprises moving at least a portion of said shareable resource from one partition to at least one other partition.

19. The method of claim 13, wherein said dynamically adjusting comprises managing said shareable resource among said two or more partitions based on priority.

20. The method of claim 13, wherein said dynamically adjusting comprises assigning said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

21. The method of claim 13, wherein said dynamically adjusting comprises adjusting allocation of a plurality of shareable resources.

22. A system of managing workload of a computing environment, said system comprising:

means for managing workload across two or more partitions of a plurality of partitions of said computing environment;

said means for managing comprising means for dynamically adjusting allocation of a shareable resource of at least one partition of said two or more partitions, wherein workload goals of said two or more partitions are being balanced.

23. The system of claim 22, wherein the dynamically adjusting is performed transparently to work processing within said at one least one partition.

24. The system of claim 22, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

25. The system of claim 22, wherein said means for dynamically adjusting comprises means for moving at least a portion of said shareable resource from one partition to at least one other partition.

26. The system of claim 22, wherein said means for dynamically adjusting comprises means for managing said shareable resource among said two or more partitions based on priority.

27. The system of claim 22, wherein said means for dynamically adjusting comprises means for assigning said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

28. The system of claim 22, wherein said partitions are logical partitions.

29. The system of claim 22, wherein said means for dynamically adjusting comprises means for adjusting allocation of a plurality of shareable resources.

30. The system of claim 22, wherein said means for dynamically adjusting is controlled at least in part by at least one workload manager of said computing environment.

31. The system of claim 22, wherein said means for dynamically adjusting comprises means for increasing allocation of said shareable resource.

32. The system of claim 22, wherein said means for dynamically adjusting comprises means for decreasing allocation of said shareable resource.

33. The system of claim 22, wherein said means for dynamically adjusting is performed without a requirement for data sharing.

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34. A system of managing workload of a computing environment, said system comprising:

means for managing workload across two or more partitions of a plurality of partitions of said computing environment, wherein said two or more partitions concurrently share at least one shareable resource;

said means for managing comprising means for dynamically adjusting allocation of said shareable resource of at least one partition of said two or more partitions.

35. The system of claim 34, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

36. The system of claim 34, wherein workload goals of said two or more partitions are being balanced.

37. The system of claim 34, wherein said means for dynamically adjusting comprises increasing allocation of said shareable resource.

38. The system of claim 34, wherein said means for dynamically adjusting comprises means for decreasing allocation of said shareable resource.

39. The system of claim 34, wherein said means for dynamically adjusting comprises means for moving at least a portion of said shareable resource from one partition to at least one other partition.

40. The system of claim 34, wherein said means for dynamically adjusting comprises means for managing said shareable resource among said two or more partitions based on priority.

41. The system of claim 34, wherein said means for dynamically adjusting comprises means for assigning said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

42. The system of claim 34, wherein said means for dynamically adjusting comprises means for adjusting allocation of a plurality of shareable resources.

43. A system of managing workload of a computing environment, said system comprising:

a processor adapted to manage workload across two or more partitions of a plurality of partitions of said computing environment; and

wherein said managing comprises dynamically adjusting allocation of a shareable resource of at least one partition of said two or more partitions, wherein workload goals of said two or more partitions are being balanced.

44. A system of managing workload of a computing environment, said system comprising:

a processor adapted to manage workload across two or more partitions of a plurality of partitions of said computing environment, wherein said two or more partitions concurrently share at least one shareable resource; and

wherein said managing comprises dynamically adjusting allocation of said shareable resource of at least one partition of said two or more partitions.

45. At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing workload of a computing environment, said method comprising:

managing workload across two or more partitions of a plurality of partitions of said computing environment;

said managing comprising dynamically adjusting allocation of a shareable resource of at least one partition of said two or more partitions, wherein workload goals of said two or more partitions are being balanced.

46. The at least one program storage device of claim 45, wherein said adjusting is performed transparently to work processing within said at one least one partition.

47. The at least one program storage device of claim 45, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

48. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises moving at least a portion of said shareable resource from one partition to at least one other partition.

49. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises managing said shareable resource among said two or more partitions based on priority.

50. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises assigning said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

51. The at least one program storage device of claim 45, wherein said partitions are logical partitions.

52. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises adjusting allocation of a plurality of shareable resources.

53. The at least one program storage device of claim 45, wherein said dynamically adjusting is controlled at least in part by at least one workload manager of said computing environment.

54. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises increasing allocation of said shareable resource.

55. The at least one program storage device of claim 45, wherein said dynamically adjusting comprises decreasing allocation of said shareable resource.

56. The at least one program storage device of claim 45, wherein said dynamically adjusting is performed without a requirement for data sharing.

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57. An article of manufacture, comprising:

at least one computer usable medium having computer readable program code means embodied therein for causing the managing of workload of a computing environment, the computer readable program code means in said article of manufacture comprising:

computer readable program code means for causing a computer to manage workload across two or more partitions of a plurality of partitions of said computing environment, wherein said two or more partitions concurrently share at least one shareable resource;

said computer readable program code means for causing a computer to manage comprising computer readable program code means for causing a computer to dynamically adjust allocation of said shareable resource of at least one partition of said two or more partitions.

58. The article of manufacture of claim 57, wherein said shareable resource comprises at least one of central processing unit resources, logical processor resources, input/output resources, channel resources, coprocessors, network adapters, and memory.

59. The article of manufacture of claim 57, wherein workload goals of said two or more partitions are being balanced.

60. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to increase allocation of said shareable resource.

61. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to decrease allocation of said shareable resource.

62. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to move at least a portion of said shareable resource from one partition to at least one other partition.

63. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to manage said shareable resource among said two or more partitions based on priority.

64. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to assign said shareable resource among said two or more partitions based on percentage allocation, wherein each partition of said two or more partitions is assigned a percentage of said shareable resource.

65. The article of manufacture of claim 57, wherein said computer readable program code means for causing a computer to dynamically adjust comprises computer readable program code means for causing a computer to adjust allocation of a plurality of shareable resources.

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